re-run

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/540,494
Source: PG
Date Processed by STIC: 7/11/05

ENTERED

re-run

PG

RAW SEQUENCE LISTING DATE: 04/10/2006
PATENT APPLICATION: US/10/540,494 TIME: 12:14:37

Input Set : N:\Crf4\Refhold\10_folder\J540494.raw
Output Set: N:\CRF4\04102006\J540494.raw

<110> APPLICANT: Takeda Pharmaceutical Company Limited
<120> TITLE OF INVENTION: Metastin Derivatives And Its Use
<130> FILE REFERENCE: G05-0018
<140> CURRENT APPLICATION NUMBER: US/10/540,494
<141> CURRENT FILING DATE: 2005-06-23
<150> PRIOR APPLICATION NUMBER: PCT/JP2003/016978
<151> PRIOR FILING DATE: 2003-12-26
<150> PRIOR APPLICATION NUMBER: JP 2002-377179
<151> PRIOR FILING DATE: 2002-12-26
<160> NUMBER OF SEQ ID NOS: 22
<210> SEQ ID NO: 1
<211> LENGTH: 54
<212> TYPE: PRT
<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 1

Gly Thr Ser Leu Ser Pro Pro Pro Glu Ser Ser Gly Ser Arg Gln Gln
1 5 10 15
Pro Gly Leu Ser Ala Pro His Ser Arg Gln Ile Pro Ala Pro Gln Gly
20 25 30
Ala Val Leu Val Gln Arg Glu Lys Asp Leu Pro Asn Tyr Asn Trp Asn
35 40 45
Ser Phe Gly Leu Arg Phe
50

<210> SEQ ID NO: 2
<211> LENGTH: 162
<212> TYPE: DNA
<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 2

ggtacttctc tgtctccgcc gccggaatct tctggttctc gtcagcagcc gggtctgtct 60
gctccgcact ctcgtcagat ccccggctccg cagggtgctg ttctggttca gcgtgaaaaa 120
gacctgccga actacaactg gaactctttc ggtctgcgtt tc 162

<210> SEQ ID NO: 3
<211> LENGTH: 152
<212> TYPE: PRT
<213> ORGANISM: Mus musculus
<400> SEQUENCE: 3

Met Tyr Leu Arg Phe Gly Val Asp Val Cys Ser Leu Ser Pro Trp Lys
5 10 15
Glu Thr Val Asp Leu Pro Leu Pro Pro Arg Met Ile Ser Met Ala Ser
20 25 30
Trp Gln Leu Leu Leu Leu Leu Cys Val Ala Thr Tyr Gly Glu Pro Leu
35 40 45
Ala Lys Val Ala Pro Gly Ser Thr Gly Gln Gln Ser Gly Pro Gln Glu

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47              50                  55                  60
48      Leu Val Asn Ala Trp Glu Lys Glu Ser Arg Tyr Ala Glu Ser Lys Pro
49       65                  70                  75                  80
50      Gly Ser Ala Gly Leu Arg Ala Arg Arg Ser Ser Pro Cys Pro Pro Val
51                      85                  90                  95
52      Glu Gly Pro Ala Gly Arg Gln Arg Pro Leu Cys Ala Ser Arg Ser Arg
53                  100                 105                 110
54      Leu Ile Pro Ala Pro Arg Gly Ala Val Leu Val Gln Arg Glu Lys Asp
55              115                 120                 125
56      Leu Ser Thr Tyr Asn Trp Asn Ser Phe Gly Leu Arg Tyr Gly Arg Arg
57          130                 135                 140
58      Gln Ala Ala Arg Ala Ala Arg Gly
59      145                 150
61 <210> SEQ ID NO: 4
62 <211> LENGTH: 456
63 <212> TYPE: DNA
64 <213> ORGANISM: Mus musculus
65 <400> SEQUENCE: 4
66      atgtatctga gatttggcgt tgatgtctgc agcctgagtc cctggaagga gactgtagac  60
67      ctgccccttc ctcccagaat gatctcaatg gcttcttggc agctgctgct tctcctctgt 120
68      gtcgccacct atggggagcc gctggcaaaa gtgaagcctg gatccacagg ccagcagtcc 180
69      ggaccccagg aactcgttaa tgccctgggaa aaggaatcgc ggtatgcaga gagcaagcct 240
70      gggtctgcag ggctgcgcgc tcgtaggtcg tcgccatgcc cgccggttga gggccccgcg 300
71      gggcgccagc ggcccctgtg tgcctcccgc agtcgcctga tccctgcgcc ccgcggagcg 360
72      gtgctggtgc agcgggagaa ggacctgtcc acctacaact ggaactcctt cggcctgcgc 420
73      tacggcagga ggcaggcggc gcgggcagca cggggc                           456
75 <210> SEQ ID NO: 5
76 <211> LENGTH: 156
77 <212> TYPE: PRT
78 <213> ORGANISM: Mus musculus
79 <400> SEQUENCE: 5
80      Met Tyr Leu Arg Phe Gly Val Asp Val Cys Ser Leu Ser Pro Trp Lys
81                      5                  10                  15
82      Glu Thr Val Asp Leu Pro Leu Pro Pro Arg Met Ile Ser Met Ala Ser
83                  20                  25                  30
84      Trp Gln Leu Leu Leu Leu Leu Cys Val Ala Thr Tyr Gly Glu Pro Leu
85              35                  40                  45
86      Ala Lys Val Ala Pro Leu Val Lys Pro Gly Ser Thr Gly Gln Gln Ser
87          50                  55                  60
88      Gly Pro Gln Glu Leu Val Asn Ala Trp Glu Lys Glu Ser Arg Tyr Ala
89       65                  70                  75                  80
90      Glu Ser Lys Pro Gly Ser Ala Gly Leu Arg Ala Arg Arg Ser Ser Pro
91                      85                  90                  95
92      Cys Pro Pro Val Glu Gly Pro Ala Gly Arg Gln Arg Pro Leu Cys Ala
93                  100                 105                 110
94      Ser Arg Ser Arg Leu Ile Pro Ala Pro Arg Gly Ala Val Leu Val Gln
95              115                 120                 125
96      Arg Glu Lys Asp Leu Ser Thr Tyr Asn Trp Asn Ser Phe Gly Leu Arg
97          130                 135                 140
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Tyr Gly Arg Arg Gln Ala Ala Arg Ala Ala Arg Gly
145 150 155

<210> SEQ ID NO: 6
<211> LENGTH: 468
<212> TYPE: DNA
<213> ORGANISM: Mus musculus
<400> SEQUENCE: 6
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ctgccccttc ctcccagaat gatctcaatg gcttcttggc agctgctgct tctcctctgt 120
gtcgccacct atggggagcc gctggcaaaa gtggcacctt tggtgaagcc tggatccaca 180
ggccagcagt ccggacccca ggaactcgtt aatgcctggg aaaaggaatc gcggtatgca 240
gagagcaagc ctgggtctgc agggctgcgc gctcgtaggt cgtcgccatg cccgccggtt 300
gagggccccg cggggcgcca gcggcccctg tgtgcctccc gcagtcgcct gatccctgcg 360
ccccgcggag cggtgctggt gcagcgggag aaggacctgt ccacctacaa ctggaactcc 420
ttcggcctgc gctacggcag gaggcaggcg gcgcgggcag cacggggc 468

<210> SEQ ID NO: 7
<211> LENGTH: 130
<212> TYPE: PRT
<213> ORGANISM: Rattus sp.
<400> SEQUENCE: 7
Met Thr Ser Leu Ala Ser Trp Gln Leu Leu Leu Leu Leu Cys Val Ala
5 10 15
Ser Phe Gly Glu Pro Leu Ala Lys Met Ala Pro Val Val Asn Pro Glu
20 25 30
Pro Thr Gly Gln Gln Ser Gly Pro Gln Glu Leu Val Asn Ala Trp Gln
35 40 45
Lys Gly Pro Arg Tyr Ala Glu Ser Lys Pro Gly Ala Ala Gly Leu Arg
50 55 60
Ala Arg Arg Thr Ser Pro Cys Pro Pro Val Glu Asn Pro Thr Gly His
65 70 75 80
Gln Arg Pro Pro Cys Ala Thr Arg Ser Arg Leu Ile Pro Ala Pro Arg
85 90 95
Gly Ser Val Leu Val Gln Arg Glu Lys Asp Met Ser Ala Tyr Asn Trp
100 105 110
Asn Ser Phe Gly Leu Arg Tyr Gly Arg Arg Gln Val Ala Arg Ala Ala
115 120 125
Arg Gly
130

<210> SEQ ID NO: 8
<211> LENGTH: 390
<212> TYPE: DNA
<213> ORGANISM: Rattus sp.
<400> SEQUENCE: 8
atgacctcgc tggcttcttg gcagctgctg cttctcctct gtgtggcctc ttttggggag 60
ccactggcaa aaatggcacc tgtggtgaac cctgaaccca caggccaaca gtccggaccc 120
caggaactcg ttaatgcctg gcaaaagggc ccgcggtatg cagagagcaa gcctgggtct 180
gcaggactgc gcgctcgccg aacatcgcca tgcccgccgg tggagaaccc cacggggcac 240
cagcggcccc cgtgtgccac ccgcagtcgc ctgatccctg cgccccgcgg atcggtgctg 300
gtgcagcgcg agaaggacat gtcagcctac aactggaact cctttggcct gcgctacggc 360

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Input Set : N:\Crf4\Refhold\10_folder\J540494.raw
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aggaggcagg tggcgcgggc ggcacggggc 390

<210> SEQ ID NO: 9
<211> LENGTH: 398
<212> TYPE: PRT
<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 9

Met His Thr Val Ala Thr Ser Gly Pro Asn Ala Ser Trp Gly Ala Pro
1 5 10 15
Ala Asn Ala Ser Gly Cys Pro Gly Cys Gly Ala Asn Ala Ser Asp Gly
20 25 30
Pro Val Pro Ser Pro Arg Ala Val Asp Ala Trp Leu Val Pro Leu Phe
35 40 45
Phe Ala Ala Leu Met Leu Leu Gly Leu Val Gly Asn Ser Leu Val Ile
50 55 60
Tyr Val Ile Cys Arg His Lys Pro Met Arg Thr Val Thr Asn Phe Tyr
65 70 75 80
Ile Ala Asn Leu Ala Ala Thr Asp Val Thr Phe Leu Leu Cys Cys Val
85 90 95
Pro Phe Thr Ala Leu Leu Tyr Pro Leu Pro Gly Trp Val Leu Gly Asp
100 105 110
Phe Met Cys Lys Phe Val Asn Tyr Ile Gln Gln Val Ser Val Gln Ala
115 120 125
Thr Cys Ala Thr Leu Thr Ala Met Ser Val Asp Arg Trp Tyr Val Thr
130 135 140
Val Phe Pro Leu Arg Ala Leu His Arg Arg Thr Pro Arg Leu Ala Leu
145 150 155 160
Ala Val Ser Leu Ser Ile Trp Val Gly Ser Ala Ala Val Ser Ala Pro
165 170 175
Val Leu Ala Leu His Arg Leu Ser Pro Gly Pro Arg Ala Tyr Cys Ser
180 185 190
Glu Ala Phe Pro Ser Arg Ala Leu Glu Arg Ala Phe Ala Leu Tyr Asn
195 200 205
Leu Leu Ala Leu Tyr Leu Leu Pro Leu Leu Ala Thr Cys Ala Cys Tyr
210 215 220
Ala Ala Met Leu Arg His Leu Gly Arg Val Ala Val Arg Pro Ala Pro
225 230 235 240
Ala Asp Ser Ala Leu Gln Gly Gln Val Leu Ala Glu Arg Ala Gly Ala
245 250 255
Val Arg Ala Lys Val Ser Arg Leu Val Ala Ala Val Val Leu Leu Phe
260 265 270
Ala Ala Cys Trp Gly Pro Ile Gln Leu Phe Leu Val Leu Gln Ala Leu
275 280 285
Gly Pro Ala Gly Ser Trp His Pro Arg Ser Tyr Ala Ala Tyr Ala Leu
290 295 300
Lys Thr Trp Ala His Cys Met Ser Tyr Ser Asn Ser Ala Leu Asn Pro
305 310 315 320
Leu Leu Tyr Ala Phe Leu Gly Ser His Phe Arg Gln Ala Phe Arg Arg
325 330 335
Val Cys Pro Cys Ala Pro Arg Arg Pro Arg Arg Pro Arg Arg Pro Gly

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Input Set : N:\Crf4\Refhold\10_folder\J540494.raw
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200                 340                 345                 350
201       Pro Ser Asp Pro Ala Ala Pro His Ala Glu Leu His Arg Leu Gly Ser
202               355                 360                 365
203       His Pro Ala Pro Ala Arg Ala Gln Lys Pro Gly Ser Ser Gly Leu Ala
204           370                 375                 380
205       Ala Arg Gly Leu Cys Val Leu Gly Glu Asp Asn Ala Pro Leu
206       385                 390                 395
208 <210> SEQ ID NO: 10
209 <211> LENGTH: 1194
210 <212> TYPE: DNA
211 <213> ORGANISM: Homo sapiens
212 <400> SEQUENCE: 10
213       atgcacaccg tggctacgtc cggacccaac gcgtcctggg gggcaccggc caacgcctcc    60
214       ggctgcccgg gctgtggcgc caacgcctcg gacggcccag tcccttcgcc gcgggccgtg   120
215       gacgcctggc tcgtgccgct cttcttcgcg gcgctgatgc tgctgggcct ggtggggaac   180
216       tcgctggtca tctacgtcat ctgccgccac aagccgatgc ggaccgtgac caacttctac   240
217       atcgccaacc tggcggccac ggacgtgacc ttcctcctgt gctgcgtccc cttcacggcc   300
218       ctgctgtacc cgctgcccgg ctgggtgctg ggcgacttca tgtgcaagtt cgtcaactac   360
219       atccagcagg tctcggtgca ggccacgtgt gccactctga ccgccatgag tgtggaccgc   420
220       tggtacgtga cggtgttccc gttgcgcgcc ctgcaccgcc gcacgccccg cctggcgctg   480
221       gctgtcagcc tcagcatctg ggtaggctct gcggcggtgt ctgcgccggt gctcgccctg   540
222       caccgcctgt cacccgggcc gcgcgcctac tgcagtgagg ccttccccag ccgcgccctg   600
223       gagcgcgcct tcgcactgta caacctgctg gcgctgtacc tgctgccgct gctcgccacc   660
224       tgcgcctgct atgcggccat gctgcgccac ctgggccggg tcgccgtgcg ccccgcgccc   720
225       gccgatagcg ccctgcaggg gcaggtgctg gcagagcgcg caggcgccgt gcgggccaag   780
226       gtctcgcggc tggtggcggc cgtggtcctg ctcttcgccg cctgctgggg ccccatccag   840
227       ctgttcctgg tgctgcaggc gctgggcccc gcgggctcct ggcacccacg cagctacgcc   900
228       gcctacgcgc ttaagacctg ggctcactgc atgtcctaca gcaactccgc gctgaacccg   960
229       ctgctctacg ccttcctggg ctcgcacttc cgacaggcct tccgccgcgt ctgccccctgc  1020
230       gcgccgcgcc gccccccgcg ccccccgccgg cccggaccct cggaccccgc agccccacac  1080
231       gcggagctgc acgcctgggg gtcccacccg gccccccgcca gggcgcagaa gccagggagc  1140
232       agtgggctgg ccgcgcgcgg gctgtgcgtc ctgggggagg acaacgcccc tctc         1194
234 <210> SEQ ID NO: 11
235 <211> LENGTH: 396
236 <212> TYPE: PRT
237 <213> ORGANISM: Rattus sp.
238 <400> SEQUENCE: 11
239       Met Ala Ala Glu Ala Thr Leu Gly Pro Asn Val Ser Trp Trp Ala Pro
240                         5                  10                  15
241       Ser Asn Ala Ser Gly Cys Pro Gly Cys Gly Val Asn Ala Ser Asp Gly
242                     20                  25                  30
243       Pro Gly Ser Ala Pro Arg Pro Leu Asp Ala Trp Leu Val Pro Leu Phe
244                 35                  40                  45
245       Phe Ala Ala Leu Met Leu Leu Gly Leu Val Gly Asn Ser Leu Val Ile
246             50                  55                  60
247       Phe Val Ile Cys Arg His Lys His Met Gln Thr Val Thr Asn Phe Tyr
248       65                  70                  75                  80
249       Ile Ala Asn Leu Ala Ala Thr Asp Val Thr Phe Leu Leu Cys Cys Val
250                         85                  90                  95
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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 04/10/2006
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Input Set : N:\Crf4\Refhold\10_folder\J540494.raw
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Invalid Line Length:
The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:15; Line(s) 403
Seq#:16; Line(s) 413
Seq#:17; Line(s) 423
Seq#:18; Line(s) 433

Invalid <213> Response:
Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:15,16,17,18

VERIFICATION SUMMARY
PATENT APPLICATION: US/10/540,494

DATE: 04/10/2006
TIME: 12:14:38

Input Set : N:\Crf4\Refhold\10_folder\J540494.raw
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